Index of Claims



Application/Control No.

10/658,522

Date

Examiner

22

Eric E. Silverman, PhD

Applicant(s)/Patent under Reexamination

BERTHOLET ET AL.

Art Unit

1615

| √ | Rejected |
|---|----------|
| _ | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

Claim

| N | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
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| 0 | Objected |

| Claim  |                                  | Date      |          |              |  |  |              |              |              |                 |  |
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|  | $\vdash$                         | _         |          | , <u>'</u>   |  | ř  | _            | _            |              |                 |  |
| Final  | Original                         | 1-30-cE   | /        |              |  |  |              |              |              |                 |  |
|  | 1                                | V         | Г        |              |  |  |              |              |              |                 |  |
|  | 1<br>2<br>3<br>4<br>5            | 1         |          |              |  |  |              |              |              |                 |  |
|  | 3                                | П         |          |              |  |  |              |              |              |                 |  |
|  | 4                                | П         |          |              |  |  |              |              |              |                 |  |
|  | 5                                | П         |          |              |  |  |              | Т            |              | П               |  |
|  | 6                                |           | Т        |              |  |  |              | Г            | -            | М               |  |
|  | <u>6</u>                         |           | Т        | Г            | Г  | Г  |              |              | Г            | П               |  |
|  | 8                                |           |          | _            | -  | _  | _            |              |              | П               |  |
|  | 9                                | П         | $\Box$   | _            |  |  |              |              |              | П               |  |
|  | 10                               | Н         | _        | Т            | Т  | Т  |              |              |              | П               |  |
|  | 11                               | 1         | $\vdash$ |              | _  | <del>                                     </del> | _            |              |              | Н               |  |
|  | 12                               | 1         | Т        | <del> </del> | -  | <b>-</b>   | Ι            | <del> </del> | $\vdash$     | Н               |  |
|  | 13                               | 1         |          | -            | <del>                                     </del> | <del>                                     </del> |              | $\vdash$     |              | H               |  |
| $\vdash$                                     | 14                               | 1         | $\vdash$ | <del> </del> | $\vdash$   | $\vdash$   | $\vdash$     | $\vdash$     | $\vdash$     | $\vdash$        |  |
|  | 11<br>12<br>13<br>14<br>15<br>16 | 1         |          | $\vdash$     | $\vdash$   | $\vdash$   | $\vdash$     |              | $\vdash$     | Н               |  |
|  | 16                               |           | $\vdash$ | $\vdash$     | $\vdash$   | ┢╌   | -            | -            |              | H               |  |
|  | 17                               | ╢         | H        | $\vdash$     | -  | $\vdash$   | $\vdash$     | -            | -            | Н               |  |
| ├  | 17<br>18                         | V.        | H        | $\vdash$     | ⊢  | $\vdash$   | ⊢            | -            |              | Н               |  |
| _  | 19                               | 1         |          | ├            |  | ├  | -            | -            | -            | Н               |  |
| <u> </u>                                     | 20                               | <i>''</i> | _        | <u> </u>     | -  | $\vdash$   | -            | -            | -            | Н               |  |
|  | 20                               | H         |          | $\vdash$     | <u> </u>   | ⊢  | ┝            |              | _            | Н               |  |
|  | 21                               |           |          | _            | _  | <u> </u>   |              |              | -            |                 |  |
|  | 22<br>23<br>24                   | <u> </u>  |          | $\vdash$     | ┝  | ┝  | ┝            | -            |              | $\vdash$        |  |
|  | 23                               | _         | _        | _            | -  | _  | _            |              | -            | _               |  |
|  | 24                               | H         |          | <u> </u>     | -  | -  | <del> </del> |              | -            | -               |  |
| <u> </u>                                     | 25<br>26                         | ⊢         | H        | -            |  | <u> </u>   |              | <u> </u>     | ├            | $\dashv$        |  |
|  | 20                               | H         | <u> </u> | ⊢            | <u> </u>   | <u> </u>   | <u> </u>     | ├            | -            | -               |  |
|  | 27                               | _         |          | <u> </u>     |  | <u> </u>   | <u> </u>     | -            | -            | -               |  |
|  | 28<br>29                         | H         |          | $\vdash$     | <u> </u>   | -  | <u> </u>     | <u> </u>     | $\vdash$     |                 |  |
|  | 29                               | H         |          | _            | <u> </u>   |  |              | <u> </u>     |              | Щ               |  |
|  | 30<br>31                         | L         | _        |              |  | _  |              | ļ.,          |              |                 |  |
|  | 31                               | <u> </u>  |          |              | _  | _  | _            | <u> </u>     | _            |                 |  |
| <u> </u>                                     | 32                               | $\vdash$  | Ь        | <u> </u>     | <u> </u>   | <u> </u>   | <u> </u>     | <u> </u>     | <u> </u>     | $\vdash \vdash$ |  |
| <u> </u>                                     | 33<br>34                         | $\vdash$  | $\vdash$ | $\vdash$     | <u> </u>   | <u> </u>   | <u> </u>     |              | <u> </u>     | $\vdash$        |  |
| <u>                                     </u> | 34                               | <u> </u>  | <u> </u> | <u> </u>     | <u> </u>   | ⊢  | <u> </u>     | _            | $\vdash$     | Ш               |  |
| $\vdash$                                     | 35                               | $\vdash$  | Ш        | Ш            | <u> </u>   | <u> </u>   | _            | <u> </u>     | <del> </del> | Щ               |  |
| <u> </u>                                     | 36<br>37                         | _         | Н        | Н            | <u> </u>   | <u> </u>   | _            | <u> </u>     | <u> </u>     | Щ               |  |
| $\vdash \vdash \vdash$                       | 3/                               | <u> </u>  | <u> </u> | <u> </u>     | <u> </u>   | <u> </u>   | —            | <u> </u>     | ├-           | Ш               |  |
|  | 38                               | $\vdash$  | _        | Ь.           | _  | $\vdash$   | <u> </u>     | _            | <u> </u>     | Н               |  |
| $\vdash$                                     | 39<br>40                         | $\vdash$  | $\vdash$ | H            | -  | <u> </u>   | <u> </u>     | <u> </u>     | <del> </del> | Н               |  |
| $\vdash$                                     |                                  | -         | $\vdash$ | Н            | -  | $\vdash$   | <b>-</b>     | <u> </u>     |              | Н               |  |
| <u> </u>                                     | 41<br>42                         | -         | _        | _            | _  | $\vdash$   | _            | _            | -            | <u> </u>        |  |
| <del>  </del>                                | 42                               | -         | $\vdash$ | $\vdash$     | _  | $\vdash$   | <del> </del> | -            | <del> </del> | $\vdash\vdash$  |  |
| <b></b>                                      | 44                               | $\vdash$  | -        | -            | <u> </u>   | $\vdash$   | Ь—           | <u> </u>     | <del> </del> | Н               |  |
| <b> </b>                                     | 45                               | $\vdash$  | <u> </u> | -            | -  | $\vdash$   | $\vdash$     | $\vdash$     |              | $\vdash \dashv$ |  |
| $\vdash$                                     | 46                               | -         |          | $\vdash$     | -  |  |              | ├            | $\vdash$     | $\vdash\vdash$  |  |
| <del> </del>                                 | 46                               | $\vdash$  | _        | -            | _  |  | $\vdash$     | $\vdash$     | <u> </u>     | $\vdash \vdash$ |  |
| $\vdash$                                     |                                  | $\vdash$  | _        | $\vdash$     | <u> </u>   | $\vdash$   |              |              | ├            | $\vdash \vdash$ |  |
|  | 48                               | $\vdash$  | $\vdash$ | $\vdash$     | -  | -  | $\vdash$     | $\vdash$     | <u> </u>     | $\vdash \vdash$ |  |
| $\vdash$                                     | 49                               | -         |          | _            | <u> </u>   | <u> </u>   | $\vdash$     | ⊢            | <u> </u>     | $\vdash \vdash$ |  |
|  | 50                               |           |          |              |  | لسا  |              |              |              | oxdot           |  |

| $\vdash$ | Vic      |  |          |          |              |          |               | _        |         |          |               |
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| i i      | Final    | Original                                     |          |          |              |          |               |          |         |          |               |
|          |          | 51   | -        | _        | $\vdash$     | -        |               |          |         |          |               |
| $\vdash$ |          | 51<br>52<br>53                               |          | ┢        | $\vdash$     | _        | _             | _        | ⊨       | $\vdash$ | _             |
| $\vdash$ | _        | 52   | H        | ┝        | ├            |          | _             | _        | _       | -        | -             |
| $\vdash$ |          | 53   |          | <u> </u> | _            |          |               | L.,      | L       | L_       |               |
| _        |          | 54   |          |          |              |          |               |          |         |          |               |
|          |          | 55   |          |          |              |          |               |          |         |          |               |
|          |          | 56   |          |          |              |          |               |          |         |          |               |
|          |          | 57   |          | Г        |              |          |               |          |         |          |               |
| _        |          | 58   |          | $\vdash$ | $\vdash$     |          |               |          | _       |          |               |
| -        | _        | 50   | Н        | $\vdash$ | $\vdash$     |          |               |          | -       |          |               |
| -        | _        | 60   | $\vdash$ | ⊢        | -            |          | -             |          |         |          |               |
| -        | _        | 54<br>55<br>56<br>57<br>58<br>59<br>60<br>61 | $\vdash$ | ⊢        | ├            |          |               |          | _       | $\vdash$ |               |
| ⊢        | _        | 01   | $\vdash$ | <u> </u> | ┡            | _        | _             | _        | _       | <u> </u> | _             |
| <u> </u> |          | 62   |          | _        | L            | _        |               |          | _       | _        |               |
| <u> </u> |          | 62<br>63                                     | _        | L        |              |          |               |          |         | L.       |               |
| L        |          | 64   |          | L        | <u> </u>     |          | L_ ]          |          |         |          |               |
|          |          | 64<br>65<br>66                               |          |          |              |          |               |          |         |          |               |
|          |          | 66   |          |          |              |          |               |          |         |          |               |
|          |          | 67   |          |          | Г            | П        |               |          | <b></b> |          | <b>-</b>      |
| $\vdash$ | $\neg$   | 67<br>68                                     | _        | $\vdash$ | $\vdash$     | -        | -             | -        |         | _        | -             |
| -        |          | 69   |          | ⊢        | ├─           | -        | _             |          |         | -        |               |
| $\vdash$ |          | 70   | -        | ┝        | ⊢            |          |               |          | _       | -        |               |
| $\vdash$ |          | 70   | _        | ⊢        | ⊢            | _        | _             |          |         |          |               |
| ┡        |          | /1   |          | _        | <u> </u>     | _        |               |          |         |          |               |
| <u> </u> | $\Box$   | 72   |          |          | <u> </u>     |          |               |          |         |          |               |
| L        |          | 70<br>71<br>72<br>73<br>74                   |          | <u> </u> | L_           |          |               |          |         |          |               |
| L        |          | 74   |          |          |              |          |               |          |         |          |               |
|          |          | 75<br>76<br>77                               |          |          |              |          |               |          |         |          |               |
|          |          | 76   |          |          |              |          |               |          |         |          |               |
|          |          | 77   |          |          |              |          |               |          |         |          |               |
|          |          | 78<br>79                                     |          |          |              |          |               |          |         |          |               |
|          |          | 79   | -        |          |              |          |               |          |         |          |               |
| $\vdash$ |          | 80   |          | _        | $\vdash$     |          | _             |          | _       |          |               |
| $\vdash$ | $\neg$   | 81   |          | $\vdash$ |              | _        | $\overline{}$ |          | _       | _        | _             |
| $\vdash$ |          | 81<br>82                                     | -        | ┝        | -            |          |               | _        | _       | $\vdash$ |               |
| $\vdash$ |          | 82   | H        | $\vdash$ | <del> </del> |          |               | _        | -       | -        |               |
| $\vdash$ |          | 03   | $\vdash$ | -        | Н            | $\vdash$ |               | $\vdash$ |         | $\vdash$ | <u> </u>      |
| $\vdash$ | _        | 83<br>84<br>85                               | Ш        | H        | Ь.           |          | $\vdash$      | _        | _       | _        | <u> </u>      |
| - ├-     |          | 85   |          | Ш        |              |          | <u> </u>      |          | L.,     | _        | _             |
| <u> </u> |          | 86<br>87                                     |          | _        |              | _        |               | _        | _       | _        |               |
| <u> </u> |          | 87   |          | L.       | L            |          |               | L_,      | L.      | Ш        |               |
| $\perp$  |          | 88   |          | ļ        | L.           |          |               |          | L       |          |               |
| L        |          | 89   |          |          | L_           |          |               |          |         |          |               |
|          |          | 90   |          |          |              |          |               |          |         |          | L             |
|          |          | 91   |          |          |              |          |               |          |         |          |               |
| Г        |          | 92   |          |          |              |          |               |          |         |          |               |
|          |          | 93   |          |          |              |          |               |          |         |          |               |
|          |          | 94   |          | П        |              |          |               |          |         | П        |               |
|          |          | 95   |          | П        |              |          |               |          |         |          |               |
| $\vdash$ |          | 96   |          | М        |              |          |               |          | _       |          | $\overline{}$ |
| $\vdash$ |          | 97   |          | -        | <u> </u>     |          |               | Н        | -       |          | -             |
| -        | -        | 98   | $\vdash$ |          | $\vdash$     | -        | $\vdash$      | $\vdash$ | _       | $\vdash$ | _             |
| $\vdash$ |          | 99   | -        | $\vdash$ | -            | -        | Н             | $\vdash$ |         | -        |               |
| $\vdash$ | $\dashv$ | 100  |          | $\vdash$ | $\vdash$     | $\vdash$ | $\vdash$      |          | -       | -        | -             |
| Ŀ        |          | 100  |          | Ц_       | Щ            |          |               |          |         | Ш        |               |

|       |                   | Date   |  |                                     |          |               |  |              |              |                 |
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| Cla   | aim               | _  | _  |                                     | _{       | Jate          | <del>2</del>                                     | 1            | _            | ᅰ               |
| Final | Original          |  |  |                                     |          |               |  |              |              |                 |
|       | 101<br>102        |  |  |                                     |          |               |  |              |              |                 |
|       | 102               |  |  |                                     |          |               |  |              |              |                 |
|       | 103<br>104        |  |  |                                     |          |               |  |              |              |                 |
|       | 104               | _  | _  | <u> </u>                            | _        | <u>L</u>      |  |              |              | Щ               |
|       | 105               | <u> </u>                                     |  | L_                                  | _        | <u> </u>      |  |              | _            | Щ               |
|       | 106               | _  |  | _                                   |          | _             | _  | _            | _            | Ш               |
|       | 107               | _  | <u> </u>   |                                     |          | <u> </u>      | _  | _            | _            | Н               |
|       | 108<br>109        | -  | ├  | _                                   | <u> </u> | ┝             |  | -            |              | Н               |
|       | 110               |  | _  | _                                   | ├        | ┝             | -  | $\vdash$     | -            | Н               |
| -     | 111               | $\vdash$                                     | -  | -                                   | -        | ├             | $\vdash$   | $\vdash$     | ┢            | Н               |
|       | 111<br>112<br>113 |  |  |                                     |          | ┢╾            | <del>                                     </del> | $\vdash$     | $\vdash$     | $\vdash \vdash$ |
|       | 113               | _  | $\vdash$   | $\vdash$                            | $\vdash$ | $\vdash$      | <u> </u>   | $\vdash$     | _            | $\vdash$        |
|       | 114               |  | <u> </u>   | <b>!</b>                            |          | -             | Г  | Г            | Г            | $\vdash$        |
|       | 114<br>115        |  |  |                                     |          |               |  |              |              |                 |
|       | 116<br>117        |  |  |                                     |          |               |  |              |              |                 |
|       | 117               |  |  |                                     |          |               |  |              |              |                 |
|       | 118               |  |  |                                     |          |               |  |              | L            |                 |
|       | 119               | $\Box$                                       |  |                                     |          | Ĺ             |  |              | L            |                 |
|       | 120               | <u> </u>                                     | <u> </u>   | <u> </u>                            | <u> </u> | <u> </u>      | ļ  | <u> </u>     | <u> </u>     | Ш               |
|       | 121               | $\vdash$                                     | <u> </u>   | <u> </u>                            | _        | <u> </u>      | $\vdash$   | <u> </u>     | <u> </u>     | Ш               |
|       | 122<br>123        | _  | <u> </u>   | <u> </u>                            |          | <u> </u>      | -  | <b> </b>     | <u> </u>     | $\vdash \vdash$ |
| -     | 123               | -  | $\vdash$   | -                                   | _        | $\vdash$      | -  | <del> </del> | <del> </del> | $\vdash$        |
|       | 124<br>125        | -  | ├  | <del> </del>                        | -        | ├             | ├  | ├            | ├-           | $\vdash$        |
|       | 126               | H  | -  | ├                                   | H        | $\vdash$      | $\vdash$   | $\vdash$     | $\vdash$     | H               |
|       | 127               |  | $\vdash$   | $\vdash$                            | -        | $\vdash$      | $\vdash$   | $\vdash$     | $\vdash$     | Н               |
| -     | 127<br>128        |  | H  | $\vdash$                            | $\vdash$ | $\vdash$      | $\vdash$   | $\vdash$     | -            | H               |
|       | 129               |  | <del>                                     </del> | ┢┈                                  | _        | ┢             | ┈  | ┢            | $\vdash$     | Н               |
|       | 130               |  | Г  | $\vdash$                            |          | $\vdash$      | Г  | Ι            | $\vdash$     | М               |
|       | 130<br>131        |  |  |                                     |          | Г             | Г  | l            |              | П               |
|       | 132               |  |  |                                     |          |               |  |              |              |                 |
|       | 133               |  |  |                                     |          |               |  |              |              |                 |
|       | 134               |  |  | 匚                                   |          |               |  |              | 匚            |                 |
|       | 135               |  | <u> </u>   | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ |          | <u> </u>      | _  | _            | _            | Ш               |
|       | 136               | L_   | <u> </u>   | <u> </u>                            |          | <u> </u>      | <u> </u>   | <u> </u>     | <u> </u>     | Щ               |
|       | 137               |  | <u> </u>   | $\vdash$                            | _        | <u> </u>      | <u> </u>   | <u> </u>     | _            | $\vdash \vdash$ |
| -     | 138<br>139        | $\vdash$                                     | <u> </u>   | $\vdash$                            | _        | <u> </u>      | <u> </u>   | _            | _            |                 |
|       | 140               | <u> —                                   </u> | $\vdash$   | $\vdash$                            | _        | <del> -</del> | <del> -</del>                                    | -            | -            | $\vdash \vdash$ |
|       | 141               | $\vdash$                                     | $\vdash$   | $\vdash$                            | _        | $\vdash$      | $\vdash$   | -            | <u> </u>     | $\vdash$        |
|       | 142               | $\vdash$                                     | $\vdash$   | ├                                   | _        | $\vdash$      | -  | <u> </u>     | $\vdash$     | Н               |
|       | 143               |  | $\vdash$   | $\vdash$                            | $\vdash$ | $\vdash$      | $\vdash$   | $\vdash$     | $\vdash$     | H               |
|       | 144               | _  | $\vdash$   | $\vdash$                            |          | <u> </u>      | $\vdash$   | $\vdash$     |              | $\vdash \vdash$ |
|       | 145               |  | Т  | _                                   | -        |               | -  | -            | _            | H               |
|       | 146               |  | Т  | Г                                   |          | П             | Г  | $\vdash$     | П            | $\sqcap$        |
|       | 147               |  |  |                                     |          |               |  |              | П            | М               |
|       | 148               |  |  |                                     |          |               |  |              |              |                 |
|       | 149               |  |  |                                     |          |               |  |              |              |                 |
|       | 150               |  |  |                                     |          |               |  |              |              |                 |